



AUSTRALIAN BUREAU OF STATISTICS

CANBERRA

**WEEKLY EARNINGS
OF EMPLOYEES
(DISTRIBUTION)
AUSTRALIA**

AUGUST 1986

CATALOGUE NO. 6310.0

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(DISTRIBUTION)
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IAN CASTLES
Australian Statistician

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(F)

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EXPLANATORY NOTES

Introduction

The monthly Population Survey (which is described in *The Labour Force, Australia* (6203.0)) comprises the monthly labour force survey and supplementary topics. This publication contains some results of a supplementary survey run in association with the August 1986 labour force survey conducted throughout Australia.

2. Of the respondents to the labour force survey, those who fell within the scope of the supplementary survey were asked additional questions. This subset of respondents was asked about their weekly earnings and frequency of pay.

Scope

3. The scope of this supplementary survey was the same as that used for the labour force survey (described in full in *The Labour Force, Australia* (6203.0)), except that it was restricted to persons who were employed as wage and salary earners ('employees') in their main job excluding persons on workers' compensation and persons who worked solely for payment in kind. Family information was derived only where complete survey information was available for all members of the family.

Definitions

4. *Weekly earnings* refers to the amount of 'last total pay' prior to the interview (i.e. before taxation and other deductions had been made). For persons paid other than weekly, earnings were converted to a weekly equivalent. No adjustment was made for any back payment of wage increases or pre-payment of leave, etc.

5. *Median weekly earnings* is the amount which divides the distribution of individuals into two equal groups, one having earnings above and the other below that amount. Medians were calculated from grouped data, the class intervals in some cases being finer than those published in the tables. Linear interpolation was used within the class interval in which the median fell.

6. *Mean weekly earnings* is the amount obtained by dividing the total earnings of a group by the number of units in that group.

7. The *main job* is defined as the job in which most hours were usually worked. The *second job* is defined to include all remaining wage and salary earner jobs in which some hours were worked during the survey week (i.e. the week before the interview week). A person who held more than one job is classified to the industry and occupation of the main job. Service in the reserve defence forces is not regarded as a second job. Persons who by the nature of their employment worked for more than one employer, e.g. domestics, odd-job workers, baby-sitters, etc., are not counted as having a second job unless they also held another job of a different kind, nor are those who worked for more than one employer solely by reason of changing jobs during the survey week. *All jobs* comprise main job and second job as defined above.

8. *Hours paid for* refers to the number of hours for which an employee was paid and not necessarily to the number of hours actually worked (e.g. an employee on paid leave for the week was asked to report the number of hours for which they were paid).

9. *Hours worked* refers to actual hours worked during the survey week, not necessarily hours paid for. Thus, if a person had been on leave for the whole week, hours worked would have been recorded as nil.

10. *Full-time employees* are those who *usually* worked 35 hours a week or more (in all jobs) and others who, although usually part-time employees, worked 35 hours or more during the survey week. It should be noted that some full-time employees may have worked or been paid for less than a full week. *Part-time employees* are those who usually worked less than 35 hours a week and who did so during the survey week. When recording hours of work, fractions of an hour were disregarded.

11. The determination of *family relationships* and composition is complex, involving many factors. The following description outlines the major principles used for this survey. A *family* is defined to consist of two or more related persons usually resident in the same household at the time of the survey. A family comprises a married couple or a family head (as defined in paragraph 12) together with any persons having any of the following relationships to them:

- (a) sons or daughters of any age, if not married and with no children of their own present;
- (b) other relatives if not accompanied by a spouse, sons or daughters, or parents of their own; or
- (c) any children under 15 years of age who do not have a parent present.

12. The *family head* of an *other family* is the parent in the case of a one-parent family or, in the case of other groups of related persons, is generally defined to be the eldest person in the family. No family head is defined for a married-couple family.

13. *Dependents* are defined as all family members under 15 years of age; all family members aged 15 to 19 attending school; and all family members aged 15 to 24 who are full-time students at a tertiary or further educational institution.

14. Further definitions of labour force and demographic classifications appearing in this publication are given in *The Labour Force, Australia* (6203.0).

Results of the survey

15. The estimates in this publication refer to information collected in the survey month and, due to seasonal factors, may not be representative of other months of the year.

16. Additional tables available but not included in this publication are listed on page 19. A preliminary publication (6309.0) containing a summary of the results of the survey was released on 19 December 1986. Please note that Table 4 of the preliminary publication contained incorrect figures. The correct figures are given in Table 13 of this publication.

17. Results of similar surveys, the first conducted in August 1975, have been given in previous issues of this publication.

18. It is proposed that this survey will next be conducted in August 1987.

Comparability of series

19. The survey was conducted primarily to obtain statistics on the distribution of earnings of employees classified by characteristics such as marital status, sex, age and whether the earnings came from the main job or any second job. Caution should be exercised when comparing the means of distributions of earnings in this publication with estimates of average weekly earnings included in the quarterly publication *Average Weekly Earnings, States and Australia* (6302.0) which are compiled from a survey of employers. There are important differences in the scope of, and methodology used in, the two surveys. The quarterly survey of average weekly earnings excludes employees in the industries of Agriculture, Forestry, Fishing and Hunting (ASIC Division A) and Private Households Employing Staff (ASIC Sub-division 94) both of which are included in the August household survey. Data from the quarterly survey of average weekly earnings are collected from employers who fill in a mailed questionnaire giving details of their employees' weekly earnings. For the August household survey, respondents are either interviewed personally at their dwelling or another adult member of their household responds on their behalf.

Discontinuities in the series

20. Classification of occupation according to the Australian Standard Classification of Occupations (ASCO 1986) was introduced in the August 1986 survey, replacing the Classification and Classified List of Occupations (CCLO), used in previous surveys. The main difference between these classifications is that ASCO occupations are classified on the basis of the level and specialisation of skill required for the satisfactory performance of primary tasks. For a more detailed explanation of ASCO see the appendix to *The Labour Force, Australia, August 1986* (6203.0).

21. To provide a link between the two classifications, a matrix has been produced and is shown in Table 41 of *The Labour Force, Australia, August 1986* (6203.0). This matrix shows the relationship between ASCO and CCLO at the broadest classification level (the Major Group).

The estimates in the matrix are based on a sub-sample of respondents to the May 1986 Labour Force Survey.

Reliability of the estimates

22. Estimates in this publication are subject to sampling and non-sampling errors. For further information refer to the Technical Note.

Related publications

23. Other ABS publications which may be of interest include:

The Labour Force, Australia (6203.0)—issued monthly

Average Weekly Earnings, Australia, (6302.0)—issued quarterly

Distribution and Composition of Employee Earnings and Hours, Australia (6306.0)—issued annually

Income of Individuals, Australia, 1981-82 (6502.0)

Award Rates of Pay Indexes, Australia, (6312.0)—issued monthly

24. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the following few days. The Catalogue and Publications Advice are available from any ABS office.

Symbols and other usages

- * subject to sampling variability too high for most practical uses. See the Technical Note on page 20
- .. not applicable
- n.e.c. not elsewhere classified
- r revised

25. Because figures have been rounded, discrepancies may occur between sums of the component items and totals.

Electronic services

26. VIATEL. Key *656# for selected current economic, social and demographic statistics.

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SUMMARY OF FINDINGS

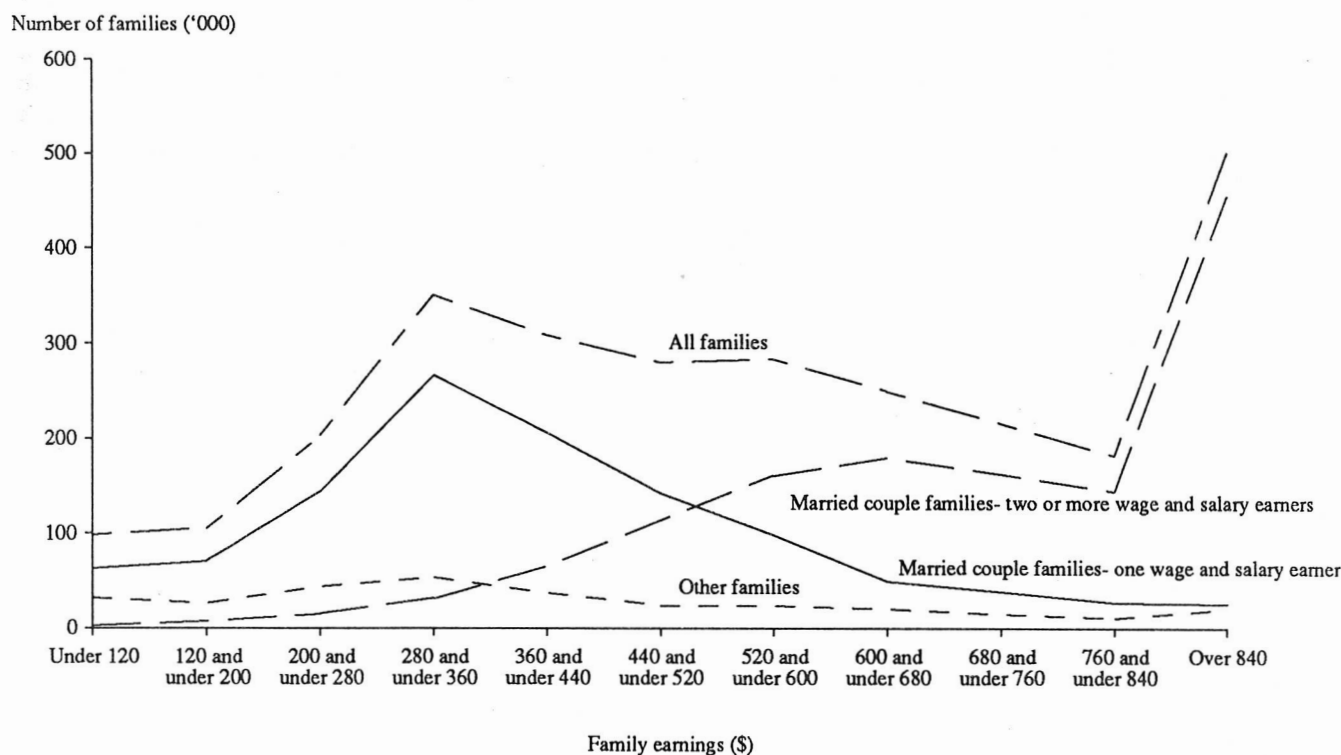
NOTE. Estimates from the Survey of Weekly Earnings shown in this publication enable valuable comparisons and analyses to be made of the distribution of earnings, especially in relation to demographic characteristics such as age, sex, marital status and family status and other characteristics such as hours paid for, full-time/part-time status and occupation. As mentioned in paragraph 19 of the Explanatory Notes (page 2), care should be exercised when comparing the means derived from distributions of earnings in this publication with estimates of average weekly earnings included in *Average Weekly Earnings, States and Australia* (6302.0). There are many factors which account for differences between the two series, including the lack of consultation of records by respondents to the household survey, misunderstanding of the type of earnings required (i.e. net rather than gross earnings being reported), earnings being reported in ranges, lack of recognition of irregular sources of earnings and lack of awareness of earnings of other household members not answering for themselves.

Families

This publication contains data published for the first time at the family level for this supplementary survey. Family weekly earnings have been calculated as the sum of the wage and salary incomes of individual members of the family unit. The composition of the family unit is described in paragraph 11 of the Explanatory Notes.

In August 1986 it is estimated that there were 4,059,500 families of which 1,283,500 (31.6 per cent) contained no wage and salary earners. The average family weekly earnings for the remaining 2,776,000 (68.4 per cent) families from all wage and salary jobs was \$574. This amount varied markedly according to family type and number of wage and salary earners within the family. Married couple families with only one wage and salary earner and all non-married couple families (referred to as 'other' families) had relatively low average family earnings (\$399 and \$407 respectively) when compared with married couple families with two or more wage and salary earners (\$760).

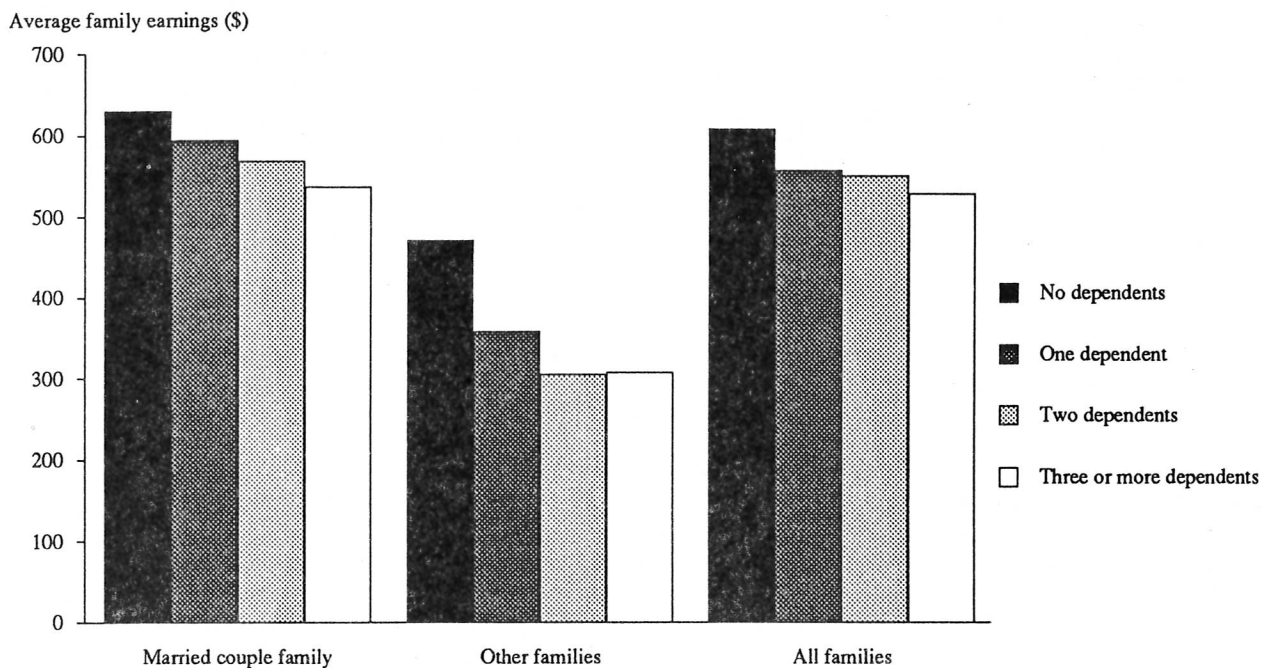
**DIAGRAM 1. ALL FAMILIES WITH EMPLOYED FAMILY MEMBERS:
FAMILY EARNINGS, TYPE OF FAMILY, AND NUMBER OF WAGE AND SALARY EARNERS IN FAMILY**
(Source of data: Table 1)



Average family weekly earnings also varied according to the number of dependents. Overall the average family weekly earnings dropped with each additional dependent, from \$611 for all families with no dependents to \$532 for all families with three or more dependents, a range of \$79. This difference increased for married couple families (\$93) from \$633 for families with no dependents to \$540 for families with three or more dependents. 'Other' families recorded the greatest range of average weekly earnings (\$164), with 'Other' families with female heads also having the lowest average earnings of \$449 for those with no dependents and \$298 for those with three or more dependents, a range of \$151.

**DIAGRAM 2. ALL FAMILIES WITH EMPLOYED FAMILY MEMBERS:
TYPE OF FAMILY, NUMBER OF DEPENDENTS IN FAMILY AND AVERAGE FAMILY EARNINGS, AUGUST 1986**

(Source of data: Table 3)



Individuals

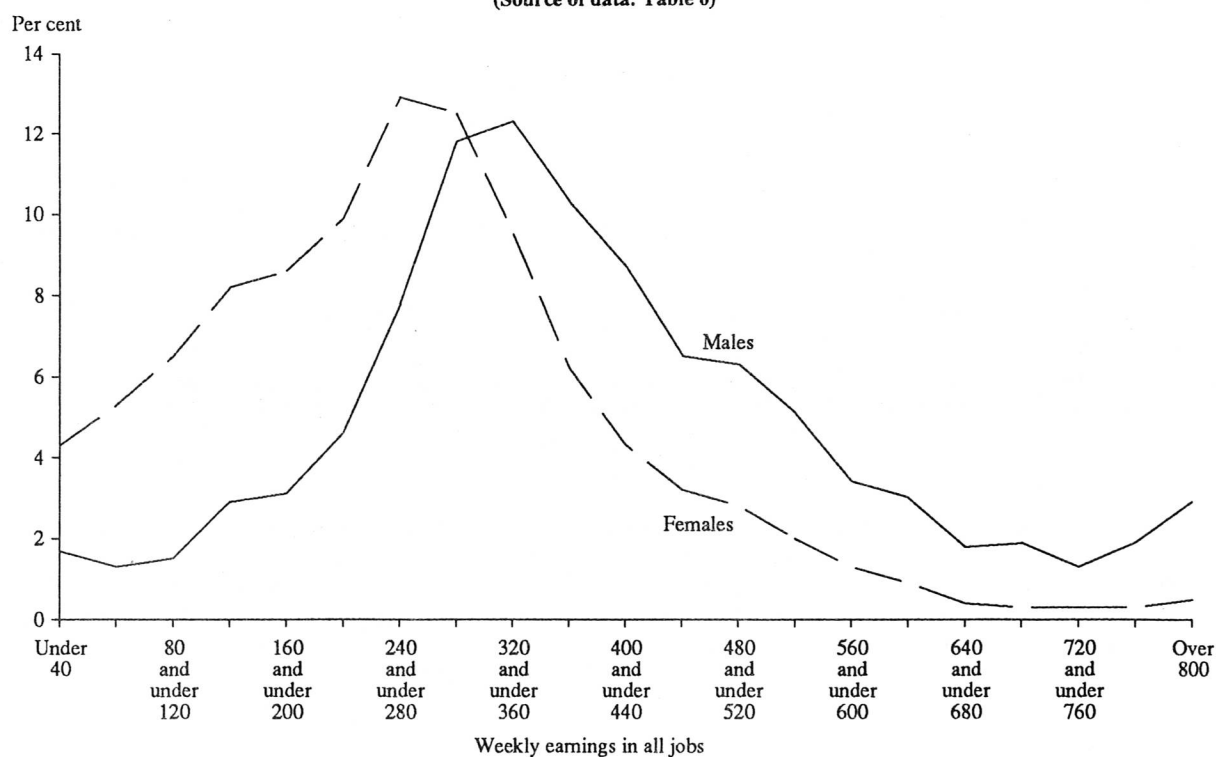
Mean weekly earnings from all jobs for all employees increased by 6.4 per cent during the twelve months to August 1986, comparable with movements recorded in each of the last three years. In the twelve months to August 1986, the increase in mean weekly earnings from all jobs for females was 8.0 per cent (to \$271 at August 1986) compared with 5.8 per cent (to \$404) for males.

For full-time employed females there was an estimated annual increase of 9.2 per cent in mean weekly earnings (to \$333 at August 1986) compared with 6.3 per cent for males (to \$420) over the same period.

Females employed on a part-time basis recorded mean weekly earnings of \$158 at August 1986 (an increase of 4.3 per cent since August 1985) compared with \$153 for males.

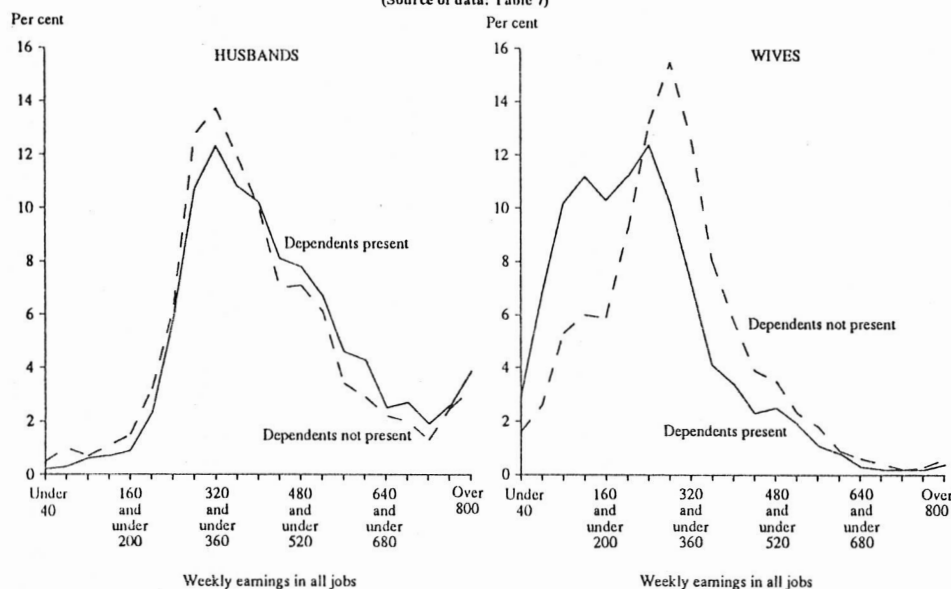
**DIAGRAM 3. ALL EMPLOYEES:
DISTRIBUTION OF WEEKLY EARNINGS IN ALL JOBS, AUGUST 1986**

(Source of data: Table 6)



The distribution of weekly earnings in August 1986 not only differed according to sex and full-time or part-time status but also according to family status and whether there were dependents present. The presence of dependents in married couple families coincided with an increase in the husband's mean weekly earnings from all jobs (from \$434 for husbands without dependents present to \$460 for those with dependents present), and a decrease in the wife's mean weekly earnings from all jobs (from \$306 to \$248 respectively). The mean weekly earnings from all jobs for wives with dependents present was only higher than one other family status group, that of female full-time students aged 15 to 24 (\$51), reflecting the extent of part-time work in these two categories.

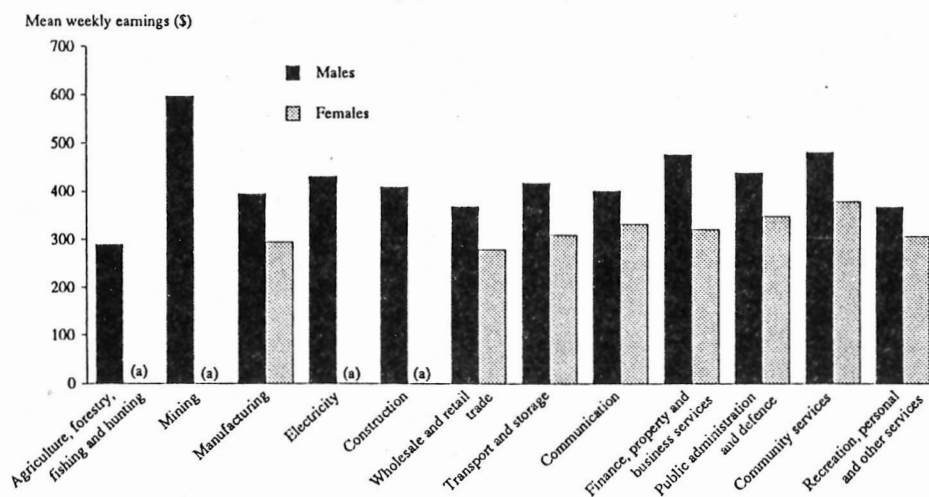
DIAGRAM 4. HUSBANDS AND WIVES:
DISTRIBUTION OF WEEKLY EARNINGS IN ALL JOBS, AUGUST 1986
(Source of data: Table 7)



For male full-time employees, mean weekly earnings from their main job was \$420, and for females it was \$330 (78.6 per cent of the males mean earnings). Both the mean earnings of both sexes and the proportion of the males weekly earnings that the females weekly earnings represent varied according to the industry of employment. The Mining industry had the highest mean earnings for males with \$601 compared with the Agriculture, forestry, fishing and hunting industries which had the lowest mean of \$293 per week. The range of mean earnings for females was not as great with those in Community services receiving \$383 having the highest mean, and those employed in the Wholesale and Retail trade industries receiving the lowest mean of \$282.

The variation in mean earnings of the sexes was least in the Recreation, personal and other services and Communication industries, where females earned, on average, 83.6 and 83.0 per cent of the male weekly earnings. The Finance, property and business services industry had the greatest difference between mean earnings, with females receiving, on average, only 67.6 per cent of the males weekly earnings.

DIAGRAM 5. MEAN WEEKLY EARNINGS IN MAIN JOB OF ALL EMPLOYEES
WHO WORKED FULL-TIME IN THEIR MAIN JOB BY INDUSTRY, AUGUST 1986
(Source of data: Table 11)



(a) Subject to sampling error too high for most practical uses

TABLE 1. ALL FAMILIES : FAMILY TYPE, NUMBER OF FAMILY MEMBERS, NUMBER OF FAMILY MEMBERS WHO WERE WAGE AND SALARY EARNERS AND TOTAL FAMILY WEEKLY EARNINGS OF WAGE AND SALARY EARNERS, AUGUST 1986

	Number of family members				
	Two	Three	Four	Five or more	Total
MARRIED COUPLE FAMILY					
Number of wage and salary earners—			(000)		
None	629.6	144.6	146.5	117.6	1,038.3
One	260.9	272.6	358.3	238.0	1,129.7
Weekly earnings (\$)—					
Under 120	14.8	14.4	17.4	16.5	63.1
120 and under 200	13.5	19.3	20.6	17.5	70.9
200 " 280	36.7	38.0	40.3	28.8	143.8
280 " 360	73.6	67.7	77.2	47.3	265.9
360 " 440	49.4	46.9	66.9	42.3	205.5
440 " 520	28.9	34.6	48.0	30.7	142.2
520 " 600	16.4	23.1	37.2	21.6	98.3
600 " 680	7.8	9.8	20.1	11.7	49.4
680 " 760	7.2	8.8	12.7	9.8	38.5
760 " 840	6.3	4.7	9.3	6.4	26.7
840 and over	6.3	5.3	8.7	5.4	25.6
Median earnings	351	356	—dollars— 388	337	368
Mean earnings	391	386	415	399	399
Two or more	332.6	264.5	(000) 426.3	315.9	1,339.3
Weekly earnings (\$)—					
Under 200	*	*	3.9	*	10.8
200 and under 280	*	4.4	3.7	5.8	15.2
280 " 360	4.5	6.3	11.1	9.5	31.3
360 " 440	11.6	11.4	23.4	19.2	65.5
440 " 520	20.3	25.3	39.9	28.2	113.7
520 " 600	35.6	36.3	55.9	33.1	160.8
600 " 680	47.2	37.7	54.9	39.9	179.7
680 " 760	50.5	34.3	45.9	31.9	162.6
760 " 840	42.9	28.1	39.7	33.8	144.5
840 " 920	35.3	21.1	35.2	22.2	113.8
920 " 1,000	23.2	16.8	27.3	21.0	88.3
1,000 and over	58.1	41.0	85.6	68.5	253.2
Median earnings	749	701	—dollars— 716	729	726
Mean earnings	771	734	757	773	760
Total	1,223.1	681.7	(000) 931.0	671.5	3,507.3
OTHER FAMILY					
Number of wage and salary earners—			(000)		
None	138.1	68.9	27.0	11.3	245.2
One or more	178.9	88.0	31.5	8.6	307.0
Weekly earnings (\$)—					
Under 120	16.5	11.5	3.5	*	31.8
120 and under 200	14.2	7.9	4.2	*	26.4
200 " 280	24.5	12.3	5.4	*	44.0
280 " 360	33.4	14.5	4.1	*	53.1
360 " 440	24.4	9.7	*	*	37.1
440 " 520	13.9	6.7	*	*	23.9
520 " 600	14.6	6.2	*	*	23.8
600 " 680	12.3	5.0	*	*	20.3
680 " 760	8.4	4.7	*	*	14.9
760 " 840	6.6	*	*	*	11.1
840 and over	10.0	7.0	*	*	20.8
Median earnings	363	348	—dollars— 332	467	357
Mean earnings	405	401	413	499	407
Total	317.0	156.9	(000) 58.5	19.9	552.2
TOTAL					
Number of wage and salary earners—			(000)		
None	767.7	213.5	173.4	128.9	1,283.5
One or more	772.4	625.1	816.1	562.5	2,776.0
Weekly earnings (\$)—					
Under 120	31.7	26.4	22.5	17.2	97.8
120 and under 200	29.4	28.6	27.1	20.0	105.1
200 " 280	62.5	54.8	49.3	36.2	202.9
280 " 360	111.5	88.5	92.4	57.9	350.3
360 " 440	85.3	68.0	92.3	62.4	308.0
440 " 520	63.1	66.6	90.2	59.9	279.8
520 " 600	66.6	65.5	95.3	55.4	282.8
600 " 680	67.3	52.5	77.1	52.6	249.4
680 " 760	66.1	47.8	59.5	42.5	215.9
760 " 840	55.8	35.5	50.4	40.7	182.3
840 " 920	40.6	25.4	38.9	24.2	129.1
920 " 1,000	27.6	19.4	29.4	22.3	98.7
1,000 and over	64.8	46.2	91.7	71.2	273.8
Median earnings	523	496	—dollars— 549	560	532
Mean earnings	558	536	594	611	574
Total	1,540.0	838.6	(000) 989.5	691.4	4,059.5

TABLE 2. FAMILIES WITH AT LEAST ONE MEMBER WHO WAS A WAGE AND SALARY EARNER IN THEIR MAIN JOB : MEAN FAMILY EARNINGS BY FAMILY TYPE, NUMBER OF DEPENDENTS AND TOTAL HOURS WORKED IN MAIN JOB IN FAMILY, AUGUST 1986
(dollars)

	Total hours worked in main job by all wage and salary earners in family							
	1 and over							
	35 and over							
Number of dependents	None	1-34	35-49	50-79	80 or more	Total	Total	Total
MARRIED COUPLE FAMILY								
None	593	326	426	695	905	674	634	633
One or more	506	338	453	648	863	611	573	572
One	485	343	433	655	874	633	600	597
Two	540	345	458	651	875	610	572	572
Three or more	479	323	466	635	811	584	541	540
Total	545	334	444	665	883	635	596	595
OTHER FAMILY—WITH FEMALE HEAD								
None	347	231	348	592	752	495	453	449
One or more	321	183	350	510	619	404	317	317
One	332	203	345	521	631	408	342	341
Two	228	166	354	490	529	383	281	279
Three or more	497	152	386	440	700	463	285	298
Total	332	195	349	564	713	453	379	378
OTHER FAMILY—TOTAL								
None	372	241	359	614	744	517	477	474
One or more	324	189	367	536	674	427	341	341
One	312	208	366	535	668	428	363	361
Two	289	174	360	554	678	417	309	309
Three or more	497	156	412	440	700	462	300	310
Total	346	204	363	588	728	479	410	407
TOTAL								
None	561	311	414	685	890	653	612	611
One or more	481	307	443	644	857	599	553	551
One	452	299	418	645	865	607	563	560
Two	510	313	451	649	872	601	555	554
Three or more	480	307	464	634	809	582	533	532
Total	517	309	433	660	874	620	576	574

TABLE 3. FAMILIES WITH AT LEAST ONE MEMBER WHO WAS A WAGE AND SALARY EARNER IN THEIR MAIN JOB : MEAN FAMILY EARNINGS BY NUMBER OF FAMILY MEMBERS WHO WERE WAGE AND SALARY EARNERS AND NUMBER OF FAMILY MEMBERS, AUGUST 1986
(dollars)

Number of wage and salary earners	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia
TWO FAMILY MEMBERS									
One	367	366	342	358	390	333	396	459	365
Two	768	765	718	699	760	711	801	886	754
Total	567	570	519	528	557	523	615	719	558
THREE FAMILY MEMBERS									
One	372	369	373	333	366	343	489	445	368
Two	697	666	664	628	627	668	790	817	674
Three	1,010	869	888	877	861	868	1,179	930	918
Total	552	532	520	498	516	512	714	676	536
FOUR OR MORE FAMILY MEMBERS									
One	410	403	394	387	407	371	495	482	404
Two	667	670	626	637	635	598	803	813	659
Three or more	1,039	953	897	850	945	905	1,138	1,079	969
Total	622	607	555	571	593	533	711	714	601
TOTAL									
One	388	384	374	363	392	354	467	467	384
Two	707	700	667	656	678	652	800	843	694
Three or more	1,034	937	896	858	927	898	1,149	1,037	959
Total	591	580	537	540	565	526	686	707	574

**TABLE 4. FAMILIES WITH AT LEAST ONE MEMBER WHO WAS A WAGE AND SALARY EARNER IN THEIR MAIN JOB :
NUMBER OF FAMILY MEMBERS, NUMBER OF FAMILY MEMBERS WHO WERE WAGE AND SALARY EARNERS
AND TOTAL HOURS WORKED IN MAIN JOB IN FAMILY, AUGUST 1986
(⁰⁰⁰)**

Total hours worked in main job in family	Number of family members				Total
	Two	Three	Four	Five or more	
ONE WAGE AND SALARY EARNER					
			—'000—		
None	21.0	17.4	16.1	10.1	64.6
1-19	39.4	32.4	28.1	21.7	121.6
20-29	30.7	21.7	26.8	15.0	94.2
30-34	36.2	26.4	32.4	22.1	117.1
35 or more	262.9	234.4	274.5	174.4	946.3
35-39	90.0	74.2	76.1	44.1	284.5
40-49	138.6	125.9	147.2	95.1	506.8
50-59	22.9	19.8	32.3	21.9	96.8
60-69	7.5	8.7	11.5	8.8	36.5
70 or more	4.1	5.9	7.4	4.5	21.8
Total	390.2	332.3	377.9	243.3	1,343.7
TWO OR MORE WAGE AND SALARY EARNERS					
			—'000—		
None	7.9	3.5	*	*	14.7
1-19	3.7	*	4.3	4.9	16.3
20-29	4.1	4.3	6.9	5.4	20.7
30-34	4.0	*	5.0	4.6	15.8
35 or more	362.4	279.4	419.6	303.3	1,364.8
35-39	7.0	9.6	10.1	4.8	31.5
40-49	32.1	29.2	39.2	30.0	130.5
50-59	28.6	29.9	48.8	32.8	140.0
60-69	49.6	42.5	58.1	33.6	183.8
70-79	108.3	61.5	81.3	48.0	299.1
80-89	89.4	45.8	67.8	44.3	247.2
90 or more	47.5	60.9	114.3	109.9	332.6
Total	382.2	292.8	438.1	319.2	1,432.3
TOTAL					
			—'000—		
None	28.9	20.9	18.4	11.1	79.3
1-19	43.2	35.7	32.4	26.6	137.9
20-29	34.7	26.1	33.7	20.4	114.9
30-34	40.2	28.6	37.4	26.7	132.9
35 or more	625.3	513.9	694.2	477.8	2,311.1
35-39	97.1	83.8	86.2	48.9	316.0
40-49	170.6	155.1	186.4	125.1	637.3
50-59	51.4	49.7	81.1	54.7	236.8
60-69	57.0	51.2	69.7	42.3	220.2
70-79	110.7	65.6	86.8	50.6	313.8
80-89	90.5	46.9	69.0	45.6	252.1
90 or more	48.0	61.6	115.0	110.5	334.9
Total	772.4	625.1	816.1	562.5	2,776.0
MEAN FAMILY EARNINGS					
			—dollars—		
None	569	461	525	471	517
1-19	160	195	203	197	186
20-29	339	357	363	379	357
30-34	370	400	403	409	394
35 or more	609	579	635	658	620
35-39	393	401	420	425	407
40-49	440	426	453	465	446
50-59	585	575	578	566	576
60-69	702	669	655	642	668
70-79	745	692	711	696	717
80-89	797	726	775	716	763
90 or more	897	900	978	991	957
Total	558	536	594	611	574

TABLE 5. ALL EMPLOYEES: FULL-TIME OR PART-TIME STATUS AND MEAN WEEKLY EARNINGS IN ALL JOBS,
AUGUST 1980 TO AUGUST 1986
(dollars)

	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia
MALES									
<i>Full-time—</i>									
1980	255	245	241	237	253	239	308	300	249
1981	282	273	271	259	283	266	342	334	277
1982	328	317	315	304	326	292	375	394	322
1983	346	335	338	323	347	323	404	416	341
1984	377	359	353	349	379	348	449	452	367
1985	399	392	389	378	403	358	471	482	395
1986	427	415	407	399	429	389	474	545	420
<i>Part-time—</i>									
1980	108	102	109	84	121	116	*	101	106
1981	129	99	107	93	104	88	*	110	112
1982	166	138	112	93	148	153	*	127	142
1983	177	147	145	144	125	141	*	131	156
1984	188	147	155	137	135	179	*	186	163
1985	185	177	132	140	142	170	*	115	164
1986	180	139	117	144	149	152	*	169	153
<i>Total—</i>									
1980	249	238	235	230	247	236	301	289	243
1981	274	264	265	251	274	260	337	320	269
1982	319	307	305	293	317	288	371	378	311
1983	336	325	328	314	335	313	398	396	331
1984	366	347	343	338	366	342	434	436	356
1985	387	380	373	365	388	350	463	456	382
1986	412	399	389	384	412	376	451	515	404
FEMALES									
<i>Full-time—</i>									
1980	196	192	188	190	192	183	211	221	193
1981	220	216	211	216	214	211	253	263	218
1982	248	245	237	239	243	237	285	292	245
1983	268	268	260	260	264	259	304	309	267
1984	293	283	269	284	290	274	320	324	286
1985	309	303	287	303	312	295	352	355	305
1986	343	331	319	322	323	317	365	378	333
<i>Part-time—</i>									
1980	101	96	90	90	88	90	140	107	96
1981	114	105	104	102	100	102	136	122	108
1982	126	117	118	116	112	107	137	149	120
1983	132	124	127	132	114	124	127	157	127
1984	147	136	127	131	126	116	159	165	137
1985	164	148	139	144	138	139	175	162	151
1986	164	164	144	157	147	148	176	164	158
<i>Total—</i>									
1980	166	161	153	155	151	151	192	187	161
1981	185	184	173	174	169	173	219	218	181
1982	208	204	198	193	192	189	239	244	202
1983	223	221	214	209	207	207	271	259	219
1984	245	233	219	222	229	207	278	265	234
1985	261	250	232	238	243	237	305	292	251
1986	280	275	257	253	254	246	317	309	271
PERSONS									
<i>Full-time—</i>									
1980	238	228	226	224	236	224	281	273	233
1981	264	255	255	246	263	251	318	310	259
1982	304	294	293	285	302	277	346	360	299
1983	321	314	315	305	323	305	369	377	318
1984	350	335	328	330	352	329	407	409	342
1985	370	364	358	355	375	340	432	433	367
1986	400	387	380	375	395	369	435	483	392
<i>Part-time—</i>									
1980	102	97	93	89	94	93	138	106	97
1981	117	104	105	100	101	100	143	119	108
1982	134	122	117	112	118	114	148	145	125
1983	142	128	131	134	116	127	150	151	133
1984	156	138	132	132	128	125	151	169	142
1985	168	154	137	144	138	144	172	153	153
1986	167	160	138	154	147	149	187	165	157
<i>Total—</i>									
1980	218	208	205	202	210	206	264	247	212
1981	241	233	231	222	234	229	297	277	236
1982	278	267	265	255	268	252	319	323	271
1983	292	284	285	273	285	274	349	336	288
1984	318	302	295	292	312	292	374	362	308
1985	336	328	318	313	330	307	401	380	329
1986	359	348	337	329	347	325	398	423	350

TABLE 6. ALL EMPLOYEES : WEEKLY EARNINGS IN ALL JOBS, MARITAL STATUS
AND FULL-TIME OR PART-TIME STATUS, AUGUST 1986

	Males			Females			Persons		
	Married	Not-married	Total	Married	Not-married	Total	Married	Not-married	Total
FULL-TIME EMPLOYEES									
Weekly earnings (\$)—									
Under 120	12.5	29.3	41.8	11.3	—'000—	30.9	23.8	48.9	72.7
120 and under 160	13.7	64.2	77.9	10.9	19.6	62.2	24.5	115.5	140.0
160 " 200	17.6	70.9	88.5	19.4	51.3	89.9	36.9	141.4	178.4
200 " 240	49.0	93.1	142.0	57.8	70.5	136.2	106.8	171.5	278.2
240 " 280	122.3	128.1	250.4	116.0	78.4	233.9	238.4	245.9	484.3
280 " 320	238.6	150.7	389.3	142.2	116.3	258.5	380.8	267.0	647.8
320 " 360	269.8	136.5	406.4	110.1	88.8	198.8	379.9	225.3	605.2
360 " 400	236.3	107.4	343.6	70.1	63.7	133.8	306.4	171.1	477.5
400 " 440	213.1	75.5	288.6	53.1	39.7	92.8	266.2	115.2	381.4
440 " 480	163.1	53.4	216.5	37.4	32.5	69.9	200.5	85.9	286.4
480 " 520	161.5	48.6	210.1	34.8	26.0	60.8	196.3	74.6	270.9
520 " 560	134.6	34.2	168.7	26.1	16.7	42.8	160.7	50.9	211.6
560 " 600	87.5	24.5	112.0	16.8	12.1	28.9	104.3	36.6	140.9
600 " 640	80.2	19.7	99.8	9.9	9.7	19.6	90.1	29.3	119.4
640 " 680	50.6	10.7	61.3	5.4	} 5.7 {	8.6	56.0	13.9	69.9
680 " 720	52.5	11.0	63.5	3.5		5.9	56.0	13.5	69.4
720 " 760	35.2	7.5	42.7	} 5.4 {		5.2	37.9	10.0	47.9
760 " 800	55.2	9.5	64.7			5.7	58.0	12.4	70.4
800 and over	78.1	16.6	94.7	6.3	4.3	10.5	84.4	20.9	105.2
Total	2,071.4	1,091.2	3,162.6	736.5	758.5	1,495.0	2,807.9	1,849.7	4,657.6
Median earnings	414	323	382	324	—dollars—	310	388	310	355
Mean earnings	r457	r349	r420	353	r313	r333	r430	r335	r392
PART-TIME EMPLOYEES(a)									
Weekly earnings (\$)—									
Under 40	4.1	47.0	51.0	29.2	—'000—	94.7	33.3	112.4	145.7
40 and under 80	9.3	28.9	38.2	64.9	65.5	117.5	74.2	81.5	155.7
80 " 120	6.8	14.6	21.4	100.2	52.6	129.8	107.1	44.2	151.2
120 " 160	5.3	13.3	18.5	106.2	29.6	128.3	111.5	35.4	146.9
160 " 200	5.7	8.9	14.6	92.5	22.1	110.6	98.2	27.0	125.2
200 " 240	7.6	5.6	13.2	78.4	18.1	92.9	86.0	20.1	106.0
240 " 280	5.5	4.9	10.4	54.1	14.5	65.0	59.6	15.7	75.3
280 " 320	3.6	3.5	7.1	26.6	10.8	32.2	30.2	9.0	39.2
320 " 360	*	*	5.6	15.9	5.6	20.7	18.6	7.7	26.3
360 " 400	} 4.4 {	*	} 6.2 {	7.3	4.8	9.9	10.1	} 5.7 {	13.2
400 " 440		*		6.5	} 4.0 {	7.9	8.2		10.8
440 " 480		*		*		4.0	4.5		6.1
480 " 520		*		3.5		4.7	5.0		6.3
520 " 560	*	*	*	*	*	5.1	*	6.0	
560 and over	5.1	*	5.7	4.9	*	6.2	10.0	*	11.9
Total	66.3	132.0	198.4	595.1	232.3	827.3	661.4	364.3	1,025.7
Median earnings	210	66	99	159	—dollars—	142	162	74	136
Mean earnings	r255	101	r153	r174	r117	r158	r183	r112	r157
ALL EMPLOYEES									
Weekly earnings (\$)—									
Under 120	32.8	119.7	152.5	205.6	—'000—	372.9	238.4	287.0	525.3
120 and under 160	18.9	77.5	96.4	117.1	167.3	190.5	136.0	150.9	286.9
160 " 200	23.3	79.8	103.1	111.8	73.4	200.5	135.1	168.4	303.5
200 " 240	56.6	98.6	155.2	136.2	88.6	229.1	192.8	191.5	384.3
240 " 280	127.8	133.0	260.8	170.2	92.9	298.8	298.0	261.6	559.6
280 " 320	242.2	154.2	396.4	168.8	128.7	290.7	411.0	276.1	687.1
320 " 360	272.5	139.4	411.9	126.0	121.9	219.5	398.5	233.0	631.5
360 " 400	239.1	107.9	347.0	77.4	93.5	143.7	316.5	174.2	490.7
400 " 440	214.8	76.7	291.5	59.6	66.3	100.7	274.4	117.8	392.2
440 " 480	165.0	53.5	218.6	39.9	41.1	73.9	205.0	87.5	292.5
480 " 520	163.0	48.7	211.7	38.2	34.0	65.5	201.2	75.9	277.2
520 " 560	137.4	34.3	171.6	28.4	27.2	45.9	165.8	51.7	217.5
560 " 600	88.3	24.5	112.8	18.5	17.5	30.8	106.8	36.9	143.6
600 " 640	81.6	19.8	101.4	11.2	12.4	21.1	92.8	29.7	122.5
640 " 680	51.0	10.7	61.7	5.9	9.9	9.3	56.9	14.1	71.0
680 " 720	52.7	11.3	64.0	3.8	3.5	6.5	56.5	14.0	70.5
720 " 760	35.3	7.6	42.9	} 6.1 {	} 5.7 {	5.4	38.2	10.1	48.3
760 " 800	55.9	9.6	65.5			6.4	59.1	12.8	71.9
800 and over	79.6	16.6	96.2	6.8		11.0	86.4	20.9	107.3
Total	2,137.8	1,223.2	3,361.0	1,331.5	990.8	2,322.4	3,469.3	2,214.1	5,683.4
Median earnings	410	307	372	262	—dollars—	r263	r352	287	326
Mean earnings	r451	r323	r404	r273	263	r271	r383	r298	r350

(a) As part-time employees are defined as those who usually work less than 35 hours and who did so in the survey week, these figures may include some school teachers, academic staff in universities, air crew, etc.

TABLE 7. ALL EMPLOYEES: WEEKLY EARNINGS IN ALL JOBS AND FAMILY STATUS, AUGUST 1986

Family status											
Member of a family											Total
Husband or wife				Full-time student aged 15-24	Other child of family head	Other relative of family head	Total	Not a member of a family	Not family coded		
With dependents present	Without dependents present	Not married family head									
MALES											
Weekly earnings (\$)—											
Under 120	15.1	15.4	4.5	62.2	32.8	4.3	130.0	12.3	10.2	152.5	
120 and under 160	10.0	8.0			4.7						55.1
160 " 200	12.1	10.5		57.5		87.5	10.2	5.4	103.1		
200 " 240	31.7	22.7	5.4	*	65.4	4.0	127.1	18.7	9.4	155.2	
240 " 280	78.6	44.8		*	75.5	206.9	42.1	11.8	260.8		
280 " 320	145.3	91.3	5.7	*	73.8	7.3	323.7	57.8	14.9	396.4	
320 " 360	166.5	98.5	8.0	*	59.6	5.5	338.1	55.8	18.1	411.9	
360 " 400	146.8	85.5	6.6	*	39.9	4.6	283.3	48.7	14.9	347.0	
400 " 440	139.0	71.8	3.8	*	22.6	4.7	240.7	40.0	10.8	291.5	
440 " 480	110.4	50.5	3.8	*	15.3		181.5	28.8	8.3	218.6	
480 " 520	106.2	51.3	4.2	*	10.5	*	173.6	29.9	8.2	211.7	
520 " 560	90.7	44.3	*	*	8.3	*	146.1	20.7	4.8	171.6	
560 " 600	62.9	24.5	*	*	4.1	*	93.6	15.4	3.7	112.8	
600 " 640	58.2	20.8	*	*	4.0	*	84.8	12.3	4.3	101.4	
640 " 680	34.0	15.7	*	*		*	51.6	8.1	*	61.7	
680 " 720	37.3	14.6	*	*	4.3	*	54.7	7.3	6.0	64.0	
720 " 760	25.3	9.3	*	*		*	36.3	5.5		42.9	
760 " 800	35.4	18.0	*	*		*	55.5	7.0		65.5	
800 and over	52.5	23.0	*	*	*	*	78.4	12.9	5.0	96.2	
Total	1,358.0	720.3	52.1	69.1	529.1	43.6	2,772.3	446.8	141.9	3,361.0	
—dollars—											
Median earnings	421	392	375	37	269	307	373	371	354	372	
Mean earnings	460	434	406	55	278	315	405	405	388	404	
FEMALES											
Weekly earnings (\$)—											
Under 120	145.9	50.6	22.9	83.8	26.2	3.9	333.4	20.8	18.8	372.9	
120 and under 160	82.7	32.1	6.1	4.2	47.0	3.6	172.7	10.9	6.9	190.5	
160 " 200	75.5	31.8	7.9		55.8		174.0	15.5	11.0	200.5	
200 " 240	82.2	49.7	9.2	*	51.5	3.9	197.0	21.7	10.4	229.1	
240 " 280	91.0	70.8	17.7	*	55.6	4.8	240.1	42.4	16.3	298.8	
280 " 320	74.9	83.6	18.2	*	44.7	6.3	225.5	47.4	17.8	290.7	
320 " 360	53.1	67.7	15.4	*	28.7		167.7	41.8	10.0	219.5	
360 " 400	30.3	43.3	11.9	*	17.2	3.7	104.8	31.7	7.2	143.7	
400 " 440	25.0	31.3	6.9	*	10.8		75.1	20.2	5.4	100.7	
440 " 480	17.2	20.7	5.7	*	6.4	50.7	19.8	*	73.9		
480 " 520	18.7	18.6	6.6	*	3.5	47.8	15.8	4.9	65.5		
520 " 560	14.2	12.2	3.6	*	*	32.6	10.3		45.9		
560 " 600	8.2	9.9	3.9	*	3.6	*	23.1	6.7	*	30.8	
600 " 640	6.2	4.7		*		*	14.1	6.3	*	21.1	
640 " 680	3.7	5.4	3.7	*	*	*	6.1	4.1	*	9.3	
680 " 720				*	*	4.6	*		6.5		
720 " 760	6.0	6.1	3.7	*	*	*	3.6	6.2	*	5.4	
760 " 800				*	*	*	3.7		*	6.4	
800 and over				*	*	*	7.9		*	11.0	
Total	734.7	538.4	139.8	89.6	354.5	27.6	1,884.6	321.6	116.2	2,322.4	
—dollars—											
Median earnings	231	296	293	38	237	260	251	322	267	263	
Mean earnings	248	306	296	51	248	264	259	340	271	271	

TABLE 8. ALL EMPLOYEES: WEEKLY EARNINGS IN MAIN JOB AND HOURS PAID FOR, AUGUST 1986

Hours paid for—										
	1-19	20-29	30-34	35-39	40	41-44	45-48	49 and over	Total	
MALES										
Weekly earnings (\$)—					—'000—					
Under 120	107.9	10.3	*	10.1	12.2	*	} 5.2 {	9.0	156.5	
120 and under 160	12.2	9.1	4.0	22.7	38.3	3.5		6.0	97.8	
160 " 200	7.2	11.8	*	27.1	38.0	5.1	*	8.4	103.1	
200 " 240	3.9	11.8	5.9	43.6	61.3	8.4	6.4	13.8	155.0	
240 " 280	4.7	9.2	10.6	88.4	107.0	15.9	10.7	16.1	262.7	
280 " 320	5.4	7.5	10.6	147.4	170.4	19.9	16.7	21.0	399.0	
320 " 360	4.0	5.4	8.5	162.6	155.4	29.8	23.5	26.7	415.9	
360 " 400	} 3.8 {	4.6	6.1	139.9	114.8	26.2	28.0	26.8	348.4	
400 " 440		4.0	4.6	104.0	97.9	21.9	24.6	33.1	291.8	
440 " 480	} 4.9 {	} 4.8 {	5.0	77.8	58.9	17.6	24.4	26.1	215.7	
480 " 520			7.3	74.3	50.3	20.5	22.3	31.1	209.5	
520 " 560	} 4.5 {	} 3.7 {	6.6	64.2	36.0	14.6	19.0	25.6	168.7	
560 " 600			3.9	40.5	22.7	9.9	11.1	20.1	110.8	
600 " 640			4.0	35.7	19.7	9.3	9.5	20.0	100.8	
640 " 680			*	22.0	10.6	5.1	7.8	13.0	61.2	
680 " 720			*	19.4	11.2	5.5	8.0	16.6	63.7	
720 " 760			*	*	17.1	5.8	*	6.2	8.7	42.0
760 " 800	} 4.2 {	} 4.2 {	18.7	9.6	6.2	6.7	20.4	64.3		
800 and over			19.1	12.3	7.1	11.9	39.6	94.2		
Total	158.6	87.6	90.7	1,134.6	1,032.5	230.7	244.1	382.1	3,361.0	
Median earnings	70	244	358	379	—dollars— 343	410	448	485	370	
Mean earnings	127	287	397	409	368	448	481	541	402	
FEMALES										
Weekly earnings (\$)—					—'000—					
Under 120	333.1	18.1	8.1	7.1	9.1	} 4.1 {	*	3.5	382.0	
120 and under 160	81.6	46.5	6.5	22.9	27.8		*	*	191.1	
160 " 200	43.7	64.3	12.6	40.5	32.0	5.4	*	} 6.2 {	203.2	
200 " 240	20.7	60.8	19.5	62.6	53.7	4.4	3.8		228.9	
240 " 280	14.5	34.3	28.1	113.0	90.0	8.6	4.2	4.7	297.4	
280 " 320	6.8	20.3	20.0	122.6	97.8	15.0	4.3	4.3	291.0	
320 " 360	3.9	12.1	14.3	100.6	64.8	9.7	5.2	6.8	217.4	
360 " 400	} 5.2 {	4.4	10.4	60.9	47.2	7.8	4.5	4.1	142.2	
400 " 440		5.8	6.9	42.0	26.4	4.7	5.9	5.6	99.6	
440 " 480	*	3.8	3.5	32.3	19.7	5.2	*	3.8	72.2	
480 " 520	} 3.7 {	5.8	29.2	13.9	5.4	} 4.4 {	4.6	64.9		
520 " 560		4.4	19.1	11.3	*		3.8	44.9	44.9	
560 " 600	*	*	} 5.6 {	11.7	5.9	*	} 4.4 {	4.2	29.0	
600 " 640	*	*		9.2	4.1	*		20.8	20.8	
640 " 680	*	*	*	3.5	*	*	*	9.0		
680 and over	*	*	*	7.2	4.0	*	3.5	10.9	28.7	
Total	512.7	275.5	148.1	684.4	509.5	78.1	48.5	65.4	2,322.4	
Median earnings	94	206	279	311	—dollars— 297	326	380	409	261	
Mean earnings	109	221	304	330	311	347	399	483	269	

TABLE 9. FULL-TIME EMPLOYEES: DECILES(a) OF WEEKLY EARNINGS IN ALL JOBS, AUGUST 1986

Per cent of individuals earnings below the levels shown	Aged 20 and over			Total		
	Males	Females	Persons	Males	Females	Persons
10	260	222	246	—dollars— 230	185	211
20	299	257	284	283	234	262
30	330	281	311	316	262	295
40	359	302	339	347	287	324
50	394	324	369	382	310	355
60	434	351	407	422	337	392
70	486	386	455	474	371	439
80	548	437	517	538	422	506
90	661	517	619	647	505	606

(a) Calculated from group data using linear interpolation.

TABLE 10. FULL-TIME EMPLOYEES : WEEKLY EARNINGS IN ALL JOBS AND AGE, AUGUST 1986

	Age group								
	20 and over								
	15-19	20-24	25-34	35-44	45-54	55-59	60 and over	Total	Total
MALES									
Weekly earnings (\$)—					—'000—				
Under 120	19.1	5.2	5.5	6.5	4.3 {	*	3.8 {	22.7	41.8
120 and under 160	51.5	8.4	6.5	5.6	5.0 {	*	4.7 {	26.3	77.9
160 " 200	51.3	14.3	8.0	6.7	14.0 {	*	8.0 {	37.2	88.5
200 " 240	45.5	34.2	20.5	15.2	27.5 {	7.9	17.6 {	96.6	142.0
240 " 280	26.7	70.4	63.1	40.3	64.4 {	14.4	30.0 {	223.7	250.4
280 " 320	14.1	83.9	107.1	74.5	53.2 {	27.8	13.2 {	375.2	389.3
320 " 360	8.3	71.1	130.9	83.8	24.3 {	30.0	8.3 {	398.0	406.4
360 " 400	3.5	49.4	120.6	79.4	19.2 {	24.3	6.6 {	340.2	343.6
400 " 440	3.7 {	34.1	101.4	79.3	13.2 {	12.4	4.2 {	286.5	288.6
440 " 480	20.1	79.3	61.9	33.9	37.4 {	11.3	4.6 {	215.0	216.5
480 " 520	*	15.6	75.4	65.0	25.4 {	12.4	4.2 {	209.4	210.1
520 " 560	*	8.6	59.3	57.6	21.3 {	3.7	5.8 {	167.5	168.7
560 " 600	*	8.0	34.4	41.6	18.7 {	6.2	5.8 {	111.8	112.0
600 " 640	*	*	30.6	37.7	11.3 {	3.6	*	99.5	99.8
640 " 680	*	4.6 {	20.9	21.6	13.8 {	*	*	61.0	61.3
680 " 720	*	19.1	23.8	13.8	9.5 {	*	*	63.2	63.5
720 " 760	*	10.0	17.6	17.6	5.2 {	4.0	*	42.6	42.7
760 " 800	*	15.9	24.2	15.1	7.8 {	5.2	5.5 {	64.5	64.7
800 and over	*	18.8	38.6	22.5	7.8 {	7.8	5.5 {	94.4	94.7
Total	227.5	437.5	927.2	781.0	486.1	199.1	104.1	2,935.1	3,162.6
Median earnings	194	321	r401	440	409	384	358	394	382
Mean earnings	209	r343	r432	r480	463	r438	r413	436	r420
FEMALES									
Weekly earnings (\$)—					—'000—				
Under 120	10.6	3.8	5.2	5.9	6.0 {	*	*	20.3	30.9
120 and under 160	43.6	5.6	4.8	4.0	5.1 {	*	*	18.5	62.2
160 " 200	52.0	15.3	9.0	7.3	16.3 {	3.9 {	*	37.8	89.9
200 " 240	38.4	38.7	16.9	21.5	31.3 {	5.9	*	97.8	136.2
240 " 280	21.1	83.3	48.6	40.4	37.9 {	8.2	3.7 {	212.8	233.9
280 " 320	7.2	75.7	71.3	54.4	24.5 {	6.5	4.7 {	251.3	258.5
320 " 360	3.7	50.9	66.8	43.6	17.0 {	4.8	4.7 {	195.1	198.8
360 " 400	*	34.7	45.3	28.7	10.0 {	9.9	*	132.6	133.8
400 " 440	*	18.4	36.4	23.4	9.7 {	5.4 {	*	92.0	92.8
440 " 480	*	9.2	30.9	15.9	6.7 {	*	*	69.4	69.9
480 " 520	*	5.1	27.4	15.4	4.3 {	*	*	59.7	60.8
520 " 560	*	18.7	13.1	6.7	4.6 {	*	*	42.6	42.8
560 " 600	5.0 {	11.8	9.1	4.3	4.6 {	*	*	28.9	28.9
600 " 640	*	9.2	4.9	4.9	4.2 {	*	*	19.0	19.6
640 " 680	*	3.8	3.8	3.8	4.2 {	*	*	8.6	8.6
680 and over	*	9.2	9.8	9.8	4.2 {	*	*	27.3	27.3
Total	181.1	350.4	415.4	300.1	187.4	41.8	18.9	1,313.9	1,495.0
Median earnings	188	295	351	335	317	328	308	324	310
Mean earnings	r198	r310	r379	r367	r349	r346	r320	r352	r333
PERSONS									
Weekly earnings (\$)—					—'000—				
Under 120	29.7	9.1	10.6	12.4	5.8 {	*	*	43.0	72.7
120 and under 160	95.2	14.0	11.3	9.7	4.5 {	5.3 {	4.4 {	44.8	140.0
160 " 200	103.3	29.6	17.0	14.0	10.1 {	11.0 {	6.2 {	75.1	178.4
200 " 240	83.8	72.8	37.4	36.7	30.3 {	20.3 {	11.3 {	194.4	278.2
240 " 280	47.7	153.7	111.8	80.7	58.8 {	35.9 {	21.4 {	436.5	484.3
280 " 320	21.3	159.6	178.4	128.9	102.3 {	36.5 {	20.3 {	626.5	647.8
320 " 360	12.1	122.0	197.8	127.5	89.3 {	29.1 {	15.3 {	593.1	605.2
360 " 400	4.8	84.1	165.9	108.1	70.2 {	21.6 {	9.8 {	472.7	477.5
400 " 440	4.9 {	52.5	137.8	102.7	54.2 {	16.2 {	7.1 {	378.5	381.4
440 " 480	29.4	110.1	77.8	43.8	47.1 {	13.3 {	4.7 {	284.4	286.4
480 " 520	*	20.7	102.9	80.4	32.1 {	13.9 {	4.5 {	269.1	270.9
520 " 560	*	11.0	77.9	70.6	25.6 {	4.4 {	6.4 {	210.0	211.6
560 " 600	*	10.6	46.2	50.8	21.8 {	6.6 {	6.4 {	140.7	140.9
600 " 640	*	4.4	39.8	42.6	12.8 {	4.0 {	*	118.5	119.4
640 " 680	*	24.7	20.8	26.3	15.1 {	4.0 {	*	69.7	69.9
680 " 720	*	12.2	19.6	10.0	16.4 {	5.4 {	*	69.1	69.4
720 " 760	*	17.5	26.4	16.4	23.6 {	7.8 {	3.8 {	47.8	47.9
760 " 800	*	5.1	22.6	42.0	23.6 {	7.8 {	3.8 {	70.2	70.4
800 and over	*	5.1	22.6	42.0	23.6 {	7.8 {	3.8 {	104.9	105.2
Total	408.6	787.9	1,342.7	1,081.1	673.5	240.9	123.0	4,249.1	4,657.6
Median earnings	191	309	386	409	380	373	350	369	355
Mean earnings	r204	r328	r416	448	r431	r422	r399	r410	r392

TABLE 11. FULL-TIME EMPLOYEES IN MAIN JOB: WEEKLY EARNINGS IN MAIN JOB AND INDUSTRY, AUGUST 1986

MALES								
	<i>Agriculture, forestry, fishing, etc.</i>	<i>Mining</i>	<i>Manufacturing</i>	<i>Electricity, gas and water</i>	<i>Construction</i>	<i>Wholesale and retail trade</i>	<i>Transport and storage</i>	
<i>Weekly earnings (\$)—</i>				—'000—				
Under 120	6.0	*	4.1	*	*	6.3	}	4.2
120 and under 160	4.0	*	15.5	*	5.0	18.6		
160 " 200	6.0	*	13.6	*	6.7	19.4		4.1
200 " 240	13.8	*	25.4	*	8.1	28.7		8.4
240 " 280	11.0	} 3.5 {	57.2	5.1	12.1	46.9		12.9
280 " 320	11.6		91.8	10.7	16.1	69.9	26.2	
320 " 360	7.1		3.5	94.9	12.2	27.1	69.4	28.0
360 " 400	3.9		3.5	78.5	12.6	28.8	52.8	24.7
400 " 440	} 4.6 {	4.0	59.9	8.2	25.1	39.8		18.9
440 " 480		3.8	44.5	7.7	17.5	24.9	16.9	
480 " 520		4.9	39.0	4.7	13.9	20.2	14.5	
520 " 560		4.7	26.9	5.8	9.9	15.5	13.0	
560 " 600	} 4.6 {	4.3	17.9	*	7.8	13.9		6.3
600 " 640		*	4.7	15.7	} 4.2 {	7.5	8.5	6.1
640 " 680		*	4.0	10.3		*	6.5	3.7
680 " 720		*	7.7	9.3		} 8.1 {	5.5	} 6.2 {
720 " 760	*	4.2	6.4	3.5				
760 " 800	*	4.4	11.0	5.3	4.3			
800 and over	*	8.3	10.1	*	4.5		6.2	
<i>Total</i>	75.0	67.2	631.9	83.5	204.8	461.8		203.1
<i>Median earnings</i>	268	597	367	—dollars— 393	393	344		389
<i>Mean earnings</i>	293	601	399	435	414	372		422
	<i>Communication</i>	<i>Finance, property and business services</i>	<i>Public administration and defence</i>	<i>Community services</i>	<i>Recreation, personal and other services</i>		<i>Total</i>	
<i>Weekly earnings (\$)—</i>				—'000—				
Under 120	*	*	} 3.9 {	4.9	*		32.0	
120 and under 160	*	4.0		3.6	4.7	61.3		
160 " 200	*	6.2		4.9	4.6	69.5		
200 " 240	3.6	9.3		5.8	7.5	3.9	116.9	
240 " 280	*	16.1	10.7	14.7	12.5	203.9		
280 " 320	10.3	16.7	23.0	26.2	15.5	320.1		
320 " 360	12.1	19.9	19.1	26.0	12.6	331.8		
360 " 400	11.9	17.8	15.5	21.4	9.3	280.7		
400 " 440	8.0	18.9	14.6	24.9	8.8	234.7		
440 " 480	5.1	12.8	9.1	25.7	7.1	176.2		
480 " 520	6.4	15.3	10.9	32.9	3.5	167.6		
520 " 560	3.7	11.9	9.7	31.4	3.9	138.1		
560 " 600	*	8.3	5.5	20.0	*	90.7		
600 " 640	} 4.1 {	10.3	5.7	19.2	} 3.8 {	86.3		
640 " 680		8.2	4.1	8.2		50.8		
680 " 720		6.9	4.5	11.2		55.9		
720 " 760		3.8	} 5.8 {	4.9	} 3.9 {	32.9		
760 " 800		8.3		11.1		54.0		
800 and over	*	13.2	5.9	14.7	*	74.1		
<i>Total</i>	72.6	210.8	153.7	313.3	100.1	2,577.6		
<i>Median earnings</i>	380	426	397	—dollars— 475	340	382		
<i>Mean earnings</i>	405	481	443	486	371	420		

TABLE 11. FULL-TIME EMPLOYEES IN MAIN JOB: WEEKLY EARNINGS IN MAIN JOB AND INDUSTRY, AUGUST 1986—continued

FEMALES						
	Manufacturing	Wholesale and retail trade	Transport and storage	Communication	Finance, property and business services	
Weekly earnings (\$)—			—'000—			
Under 120	*	4.3	*	*	*	
120 and under 160	4.5	21.1	*	*		7.8
160 " 200	9.2	23.7	} 5.0 {	*		14.1
200 " 240	25.3	26.3		*		15.6
240 " 280	45.3	45.2	3.9	3.7		26.0
280 " 320	35.5	42.7	6.5	5.7		29.9
320 " 360	25.2	27.3	7.1	4.7		26.0
360 " 400	12.9	12.5	3.9	} 4.3 {		16.3
400 " 440	9.7	5.9	} 3.9 {			11.5
440 " 480	3.5	3.8				9.2
480 " 520	} 3.8 {	} 5.4 {	*		*	4.6
520 " 560			*		*	*
560 " 600	*	} 3.7 {	*	*	} 5.4 {	
600 " 640	*		*	*		*
640 " 680	*	*	*	*	*	
680 and over	*	*	*	*	*	
Total	179.8	224.8	33.0	23.4		174.7
—dollars—						
Median earnings	285	273	316	317		309
Mean earnings	298	282	313	336		325
	Public administration and defence	Community services	Recreation, personal and other services	Other(a)	Total	
Weekly earnings (\$)—			—'000—			
Under 120	*	7.4	*	} 4.4 {		23.5
120 and under 160	*	7.0	4.6			50.1
160 " 200	*	12.3	4.1	*		70.8
200 " 240	4.5	21.0	7.9	5.0		110.0
240 " 280	8.9	33.3	13.6	3.5		183.4
280 " 320	11.7	50.8	13.3	6.8		203.0
320 " 360	9.5	39.0	8.1	4.1		151.0
360 " 400	5.6	41.2	8.0	3.8		106.0
400 " 440	5.9	33.4	} 4.1 {	} 4.4 {		75.2
440 " 480	4.4	29.1				55.0
480 " 520	} 4.6 {	33.7	} 4.3 {			49.3
520 " 560		21.9				34.3
560 " 600	*	13.6				22.7
600 " 640	*	9.0	*	*		15.9
640 " 680	*	*	*	*		6.3
680 and over	*	8.9	*	*		18.8
Total	66.5	364.8	73.7	34.7		1,175.2
—dollars—						
Median earnings	327	371	291	296		310
Mean earnings	352	383	310	300		330

(a) Comprises agriculture, forestry, fishing, etc.; mining; electricity, gas and water; and construction.

TABLE 12. FULL-TIME EMPLOYEES IN MAIN JOB: WEEKLY EARNINGS IN MAIN JOB AND OCCUPATION, AUGUST 1986

	Occupation									
	Managers and administra- tors	Pro- fessionals	Para-pro- fessionals	Trades- persons	Clerks	Sales persons and personal service workers	Plant and machine operators, and drivers	Labourers and related workers	Total	
MALES										
Weekly earnings (\$)—					—'000—					
Under 120	4.0	4.9	*	9.5	4.5	*	4.4	9.2	32.0	
120 and under 160	3.5		*	29.0		6.1		13.6	61.3	
160 " 200	3.6			24.9	7.8	8.4	*	17.3	69.5	
200 " 240	5.8	5.4	4.9	31.5	11.9	13.9	13.5	34.5	116.9	
240 " 280	6.7	7.4	7.6	49.0	19.0	20.8	27.9	65.5	203.9	
280 " 320	14.0	15.0	11.6	83.3	28.1	26.8	50.4	91.0	320.1	
320 " 360	15.1	14.4	10.1	99.2	31.6	32.6	52.8	75.8	331.8	
360 " 400	19.6	20.3	17.0	89.9	33.1	23.3	38.2	39.3	280.7	
400 " 440	21.2	27.4	18.0	70.9	25.7	22.7	24.0	24.8	234.7	
440 " 480	19.4	28.7	16.1	40.8	20.3	13.2	21.8	15.9	176.2	
480 " 520	20.9	39.5	19.6	35.7	15.3	10.4	16.0	10.3	167.6	
520 " 560	20.4	38.5	18.8	21.8	8.7	7.3	13.1	9.6	138.1	
560 " 600	18.6	26.6	8.0	13.2	5.8	4.1	5.6	8.8	90.7	
600 " 640	16.4	29.9	8.0	10.3	3.8	4.5	6.4	6.9	86.3	
640 " 680	13.6	15.5	*	7.3	3.5		*	*	50.8	
680 " 720	12.4	17.6	5.8	7.4	*	4.1	4.2	3.8	55.9	
720 " 760	7.3	12.0		4.3		*	*		32.9	
760 " 800	14.8	18.6	5.4	6.0	5.1	*	4.9	4.6	54.0	
800 and over	22.7	25.0	4.8	7.8		3.9	5.0	*	74.1	
Total	260.1	346.7	161.5	641.6	227.1	207.2	296.9	436.6	2,577.6	
Median earnings	513	531	461	358	373	352	357	314	382	
Mean earnings	551	551	474	374	389	379	394	336	420	
FEMALES										
Weekly earnings (\$)—					—'000—					
Under 120	*	*	*	*	5.7	4.5	*	3.9	23.5	
120 and under 160		*	*	4.1	14.5	22.1	*	4.2	50.1	
160 " 200	3.7		*	4.8	29.6	24.9	*	4.0	70.8	
200 " 240		4.8	5.5	6.5	37.1	24.8	12.2	19.9	110.0	
240 " 280	5.4	5.6	6.2	11.5	62.8	43.7	19.3	31.9	183.4	
280 " 320		7.3	13.3	10.1	98.3	36.9	8.1	26.0	203.0	
320 " 360	4.8	10.4	13.0	3.9	82.3	19.9	5.4	11.3	151.0	
360 " 400	4.9	21.0	11.6	4.1	45.2	13.9	*	4.9	106.0	
400 " 440		23.1	10.8	*	25.2	6.9	*		75.2	
440 " 480	4.5	23.3	8.0	*	16.9	*	*	4.2	55.0	
480 " 520		29.3	5.9	*	7.9		*	*	49.3	
520 " 560	5.0	20.9	*	*	6.0	3.8	*	*	34.3	
560 " 600	*	13.7		*	*	*	*	*	22.7	
600 and over	6.6	21.2	5.4	*	6.6	*	*	*	41.1	
Total	39.8	183.3	87.8	51.2	439.7	207.9	53.7	111.9	1,175.2	
Median earnings	395	469	363	265	309	265	260	270	310	
Mean earnings	424	465	372	267	315	272	268	274	330	
PERSONS										
Weekly earnings (\$)—					—'000—					
Under 120	5.6	5.2	5.9	12.5	7.8	6.4	*	13.1	55.5	
120 and under 160	5.2	*		33.0	16.9	28.2	4.7	17.8	111.4	
160 " 200	4.4	4.6	3.9	29.7	37.4	33.4	5.7	21.3	140.3	
200 " 240	7.1	5.6	8.6	38.0	49.0	38.7	25.7	54.4	227.0	
240 " 280	9.1	13.0	13.8	60.5	81.8	64.5	47.2	97.4	387.3	
280 " 320	17.0	22.3	24.9	93.3	126.4	63.7	58.5	117.0	523.1	
320 " 360	19.9	24.8	23.2	103.1	113.9	52.6	58.2	87.1	482.7	
360 " 400	24.5	41.3	28.6	94.1	78.3	37.2	38.6	44.2	386.7	
400 " 440	24.5	50.5	28.8	72.0	50.9	29.5	25.9	27.9	309.9	
440 " 480	20.7	52.0	24.1	41.7	37.2	16.3	22.3	16.9	231.2	
480 " 520	23.8	68.8	25.5	36.1	23.1	13.1	16.0	10.5	216.9	
520 " 560	22.6	59.4	21.8	22.0	14.6	8.4	13.5	10.0	172.4	
560 " 600	21.8	40.4	10.3	13.6	7.6	4.9	5.6	9.2	113.3	
600 " 640	19.3	39.9	9.2	10.3	5.3	4.7	6.4	7.0	102.2	
640 " 680	14.2	18.8	3.7	7.3	4.7		*	*	57.2	
680 " 720	13.3	19.9	6.2	7.4	3.8	4.7	4.2	3.8	60.9	
720 " 760	8.4	14.0		4.3		4.7	*		37.4	
760 " 800	15.5	20.0	5.4	6.2	4.9	4.7	4.9	4.9	58.7	
800 and over	23.0	27.2	5.5	7.8	*	4.1	5.0	*	78.8	
Total	299.9	530.0	249.3	692.9	666.8	415.1	350.6	548.5	3,752.9	
Median earnings	500	505	422	351	325	303	342	304	356	
Mean earnings	534	522	438	366	340	325	375	323	392	

TABLE 13. EMPLOYEES WHO WORKED IN A SECOND JOB : WEEKLY EARNINGS IN MAIN JOB AND WEEKLY EARNINGS IN SECOND JOB, AUGUST 1986

Weekly earnings in main job (\$)—	Males				Females			
	Weekly earnings in second job			Mean weekly earnings in second job	Weekly earnings in second job			Mean weekly earnings in second job
	Under \$60	\$60 and over	Total		Under \$60	\$60 and over	Total	
	—'000—			\$	—'000—			\$
Under 120	4.2	*	6.9	r53	13.4	5.8	19.2	r55
120 and under 200	} 5.4 {	4.2	6.4	r96	} 4.9 {	8.3	13.2	r95
200 " 280		*	6.6	r87		6.1	8.2	r111
280 " 360	4.1	10.3	14.4	100	} 5.4 {	4.2	7.6	r88
360 " 480	4.1	10.8	14.9	r107		*	5.3	97
480 and over	4.3	7.7	12.1	r115	*	5.8	*	*
Total	22.1	39.2	61.3	97	26.4	30.3	56.6	85
	—dollars—							
Median earnings in main job	304	353	341	..	119	211	176	..
Mean earnings in main job	322	386	363	..	169	249	212	..

NOTE: The figures published in the corresponding table in the preliminary (6309.0) to this publication were incorrect.

TABLE 14. ALL EMPLOYEES : OCCUPATION AND FREQUENCY OF PAY, AUGUST 1986

Occupation	Frequency of pay							
	Weekly		Fortnightly		Monthly		Total(a)	
	('000)	(Per cent)	('000)	(Per cent)	('000)	(Per cent)	('000)	(Per cent)
MALES								
Managers and administrators	96.1	32.8	85.4	29.2	103.3	35.3	292.9	100.0
Professionals	59.5	14.0	260.9	61.6	96.6	22.8	423.6	100.0
Para-professionals	51.8	23.8	146.3	67.3	17.6	8.1	217.4	100.0
Tradespersons	604.4	73.3	188.9	22.9	21.9	2.7	824.5	100.0
Clerks	75.5	24.9	206.3	68.0	20.4	6.7	303.3	100.0
Salespersons and personal service workers	184.8	64.9	55.3	19.4	40.1	14.1	284.9	100.0
Plant and machine operators, and drivers	254.6	67.4	109.0	28.8	10.8	2.9	377.9	100.0
Labourers and related workers	417.2	65.5	184.9	29.0	24.3	3.8	636.6	100.0
Total	1,743.9	51.9	1,237.2	36.8	335.0	10.0	3,361.0	100.0
FEMALES								
Managers and administrators	21.0	39.9	18.9	35.9	10.7	20.3	52.6	100.0
Professionals	27.7	9.2	238.9	79.1	25.8	8.5	302.2	100.0
Para-professionals	17.4	10.2	147.2	86.1	4.7	2.8	170.9	100.0
Tradespersons	69.7	80.3	13.1	15.1	*	*	86.8	100.0
Clerks	338.5	43.4	381.3	48.8	54.3	7.0	780.6	100.0
Salespersons and personal service workers	385.2	73.1	120.7	22.9	11.5	2.2	526.6	100.0
Plant and machine operators, and drivers	71.7	85.4	9.1	10.8	*	*	84.0	100.0
Labourers and related workers	176.2	55.3	131.2	41.2	6.0	1.9	318.8	100.0
Total	1,107.6	47.7	1,060.5	45.7	116.8	5.0	2,322.4	100.0
PERSONS								
Managers and administrators	117.2	33.9	104.4	30.2	114.0	33.0	345.4	100.0
Professionals	87.2	12.0	499.9	68.9	122.4	16.9	725.8	100.0
Para-professionals	69.2	17.8	293.5	75.6	22.3	5.7	388.3	100.0
Tradespersons	674.1	74.0	202.0	22.2	23.6	2.6	911.2	100.0
Clerks	414.0	38.2	587.6	54.2	74.7	6.9	1,083.9	100.0
Salespersons and personal service workers	570.0	70.2	176.0	21.7	51.6	6.4	811.4	100.0
Plant and machine operators, and drivers	326.3	70.6	118.1	25.6	12.8	2.8	461.9	100.0
Labourers and related workers	593.5	62.1	316.0	33.1	30.3	3.2	955.4	100.0
Total	2,851.5	50.2	2,297.6	40.4	451.7	7.9	5,683.4	100.0

(a) Includes individuals paid at intervals other than those indicated.

TABLE 15. ALL EMPLOYEES : INDUSTRY AND FREQUENCY OF PAY, AUGUST 1986

Industry	Frequency of pay							
	Weekly		Fortnightly		Monthly		Total(a)	
	('000)	(Per cent)	('000)	(Per cent)	('000)	(Per cent)	('000)	(Per cent)
MALES								
Agriculture, forestry, fishing, etc.	35.1	38.0	24.4	26.4	20.7	22.4	92.3	100.0
Mining	33.9	39.3	38.3	44.4	13.0	15.1	86.3	100.0
Manufacturing	568.1	72.9	118.9	15.3	89.4	11.5	779.4	100.0
Electricity, gas and water	56.4	46.0	65.5	53.5	*	*	122.5	100.0
Construction	200.6	74.4	45.0	16.7	18.7	6.9	269.5	100.0
Wholesale and retail trade	456.0	75.5	54.4	9.0	87.2	14.4	604.1	100.0
Transport and storage	106.7	40.8	139.9	53.5	11.6	4.4	261.4	100.0
Communication	*	*	103.2	97.8	*	*	105.5	100.0
Finance, property and business services	65.4	24.1	144.9	53.5	55.1	20.3	271.0	100.0
Public administration and defence	62.1	29.2	146.9	69.1	*	*	212.5	100.0
Community services	48.0	11.6	333.6	80.9	27.4	6.6	412.5	100.0
Recreation, personal and other services	110.5	76.7	22.1	15.3	7.1	4.9	144.1	100.0
Total	1,743.9	51.9	1,237.1	36.8	335.0	10.0	3,361.0	100.0
FEMALES								
Manufacturing	238.9	83.8	27.2	9.5	16.4	5.8	285.0	100.0
Wholesale and retail trade	422.4	85.1	40.2	8.1	26.7	5.4	496.2	100.0
Transport and storage	28.3	53.2	20.3	38.2	3.8	7.1	53.2	100.0
Communication	*	*	37.3	93.0	*	*	40.1	100.0
Finance, property and business services	98.2	32.3	173.0	56.9	28.5	9.4	304.1	100.0
Public administration and defence	15.3	13.3	97.0	84.3	*	*	115.0	100.0
Community services	96.1	12.8	620.7	82.5	24.1	3.2	752.1	100.0
Recreation, personal and other services	164.4	83.0	21.7	11.0	5.0	2.5	198.1	100.0
Other(b)	42.8	54.5	23.0	29.3	8.8	11.2	78.6	100.0
Total	1,107.6	47.7	1,060.5	45.7	116.8	5.0	2,322.4	100.0
PERSONS								
Agriculture, forestry, fishing, etc.	47.0	40.5	28.9	24.9	24.9	21.5	116.0	100.0
Mining	35.4	37.8	41.9	44.7	15.2	16.2	93.7	100.0
Manufacturing	807.1	75.8	146.1	13.7	105.8	9.9	1,064.3	100.0
Electricity, gas and water	62.0	45.3	74.2	54.2	*	*	136.8	100.0
Construction	224.4	74.1	51.1	16.9	21.2	7.0	302.7	100.0
Wholesale and retail trade	878.4	79.8	94.6	8.6	113.9	10.4	1,100.3	100.0
Transport and storage	135.0	42.9	160.3	51.0	15.5	4.9	314.5	100.0
Communication	*	*	140.6	96.6	*	*	145.6	100.0
Finance, property and business services	163.7	28.5	317.8	55.3	83.6	14.5	575.1	100.0
Public administration and defence	77.4	23.6	243.9	74.5	4.4	1.3	327.4	100.0
Community services	144.1	12.4	954.4	82.0	51.6	4.4	1,164.6	100.0
Recreation, personal and other services	275.0	80.4	43.7	12.8	12.1	3.5	342.2	100.0
Total	2,851.5	50.2	2,297.6	40.4	451.7	7.9	5,683.4	100.0

(a) Includes individuals paid at intervals other than those indicated. (b) Comprises agriculture, forestry, fishing, etc.; mining; electricity, gas and water; and construction.

ADDITIONAL TABLES

The following is a list of additional tables of results from this survey which are available to users on request. These tables show a selection of estimates on an Australia-wide basis. Tables disaggregated by State/Territory and other tables may also be available. Most tables are dissected by sex.

Employed wage and salary earners in main job

Weekly earnings in all jobs—

- A1 Birthplace and year of arrival and age
- A2 Birthplace and year of arrival and family status
- A3 Birthplace and year of arrival and occupation in main job
- A4 Birthplace and year of arrival and industry in main job
- A5 Birthplace and year of arrival and hours worked in all jobs
- A6 Family status, age and full-time or part-time status in all jobs

Weekly earnings in main job—

- A7 Marital status and full-time or part-time status in main job
- A8 Occupation in main job and full-time or part-time status in main job
- A9 Occupation in main job and hours paid for in main job
- A10 Industry in main job and full-time or part-time status in main job
- A11 Birthplace and full-time or part-time status in main job
- A12 Family status, age and full-time or part-time status in main job
- A13 Sector
- A14 Average hours worked in main job, occupation and industry of main job and age

Average weekly earnings in main job—

- A15 Occupation and industry of main job and age
- A16 Birthplace, occupation in main job and full-time or part-time status in all jobs

Employees who worked full-time in their main job

Weekly earnings in main job—

- A17 Sector and age
- A18 Industry of main job and age

TECHNICAL NOTE

Estimation procedure

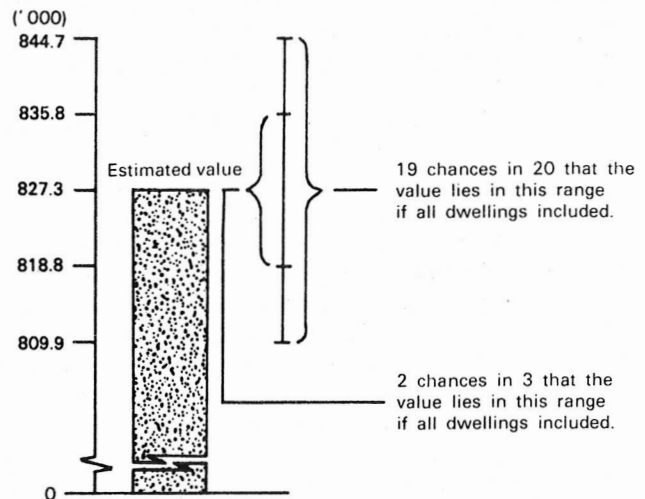
The estimates are derived from the population survey by use of a ratio estimation procedure which ensures that the estimates conform to an independently estimated distribution of the population for each capital city and remainder of State by age and sex, rather than to the corresponding distribution within the sample itself.

Reliability of the estimates

2. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, they are subject to *sampling error*; that is, they may differ from the figures that would have been produced if all dwellings had been included in the survey. One measure of the likely difference is given by the *standard error*, which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all dwellings had been included, and about nineteen chances in twenty that the difference will be less than two standard errors. Another measure of the likely difference is the *relative standard error*, which is obtained by expressing the standard error as a percentage of the estimate.

3. Space does not allow for the separate indication of the standard errors of all estimates in this publication. A table of standard errors applicable to persons estimates is given on the following page (Table A). Since they are averages based on calculations for a limited number of past surveys over a wide range of labour force characteristics, these figures will not give a precise measure of the standard error of a particular estimate but they will provide an indication of its magnitude.

4. An example of the calculation and the use of standard errors in relation to estimates of persons is as follows. From Table 6 on page 10, the estimated number of females who, in August 1986, were part-time employees is 827,300. Since this estimate is between 500,000 and 1,000,000 in Table A, the standard error for Australia will be between 7,500 and 9,700 and can be approximated as 8,900 (rounded to the nearest 100). Therefore, there are about two chances in three that the value that would have been produced if all dwellings had been included in the survey will fall in the range 818,800 to 835,800 and about nineteen chances in twenty that the value will fall within the range 809,900 to 844,700. This example is illustrated in the following diagram.



5. The relative standard errors of estimates of mean and median weekly earnings are obtained by first finding the relative standard error of the estimate of the total number of persons contributing to the estimate (see Table A) and then multiplying the figure by the following relevant factors:

Mean weekly earnings

—Part-time employees	1.0
—Full-time employees	0.7
—All employees	0.9

Median weekly earnings

—Part-time employees	1.4
—Full-time employees	0.7
—All employees	1.0

6. An example of the calculation of standard errors by the use of the above factors is as follows:

From Table 6 on page 10, the estimate of median weekly earnings of female part-time employees in August 1986 was \$142 and the estimate of total number of employees contributing to this estimate was 827,300. From Table A, the standard error of this figure (827,300) is about 8,900 and therefore a relative standard error of about 1.1 per cent. The relative standard error of the estimate of median weekly earnings is calculated by multiplying this figure (1.1) by the appropriate factor shown in the previous paragraph (in this case 1.4): $1.1 \times 1.4 = 1.54$ per cent. The standard error of this estimate of median weekly earnings is therefore 1.54 per cent of \$142, i.e. about \$2.20. Therefore, there are about two chances in three that the median weekly earnings of female part-time employees would fall within the range \$139.80 to \$144.20, and about nineteen chances in twenty that they would fall within the range \$137.60 to \$146.40.

7. As can be seen from the standard error tables, *the smaller the estimate the higher is the relative standard error*. Very small estimates are thus subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable uses. In the tables in this publication, estimates which have a relative standard error larger than 25 per cent have not been published. Although figures for these small components can in some cases be derived by subtraction, they should not be regarded as reliable.

8. Proportions and percentages formed from the ratio of two estimates are also subject to sampling error. The size of the error depends on the accuracy of both the numerator and the denominator. An approximate relative standard error (RSE) of a proportion may be calculated by the following formula:

$$RSE(x/y) = \sqrt{[RSE(x)]^2 - [RSE(y)]^2}$$

9. Considering the example from paragraph 4, the 827,300 females employed part-time represented 35.6 per cent of all 2,322,400 female employees in August 1986. The standard error of 2,322,400 is approximately 12,600 so the relative standard error is 0.5 per cent. The relative standard error for 827,300 is 1.1 per cent. Applying the above formula, the relative standard error of the proportion is $\sqrt{(1.1)^2 - (0.5)^2}$ or 1.0 per cent, giving a standard error for the proportion (35.6 per cent) of 0.4 percentage points. Therefore, there are about two chances in three that the proportion of females who were part-time

employees is between 35.2 per cent and 36.0 per cent and nineteen chances in twenty the proportion is within the range 34.8 per cent to 36.4 per cent.

10. Published figures may also be used to estimate the difference between two survey estimates (of numbers or percentages). Such a figure is itself an estimate and is therefore subject to sampling error. The sampling error of the difference between two estimates depends on their standard errors and the relationship (correlation) between them. An approximate standard error (SE) of the difference between two estimates (x-y) may be calculated by the following formula:

$$SE(x-y) = \sqrt{[SE(x)]^2 + [SE(y)]^2}$$

While this formula will only be exact for differences between separate and uncorrelated characteristics or subpopulations it is expected to provide a good approximation for all differences likely to be of interest in this publication.

11. The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by interviewers and respondents and errors made in the coding and processing of data. Inaccuracies of this kind are referred to as the *non-sampling error*, and they may occur in any enumeration, whether it be a full count or only a sample. Every effort is made to reduce non-sampling errors to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.

TABLE A.—STANDARD ERRORS OF ESTIMATES

[illegible]

